

## Armored Vehicle Driver's Vision Enhancer (AVDVE)

### DESCRIPTION

The Armored Vehicle Driver's Vision Enhancer (AVDVE) is a passive infrared uncooled thermal imaging system operating in the 8-12 micrometer waveband that is vehicle powered. It is a single, self-



contained unit that is inserted directly into a vision block hole or other aperture in the combat vehicle. A periscope head is the only part of the DVE that protrudes above the armor. It enables the driver to maneuver the vehicle by detecting temperature differences between objects and their background, and is not dependent upon visible or ambient light. The system consists of a B-Kit (sensor, display and control module) and a vehicle A-Kit (mounting hardware and cabling). The display will be remote to the vehicle commander on the M88, AVLB, and all mission role variant LAVs except the LAV-25 and LAV-AD. It will

be remote to the supported element Platoon Leaders, Company Executive Officer, and Company Commander on AAV P7s.

PROCUREMENT PROFILE:	FY00	FY01
<i>Quantity:</i>	<i>1,199</i>	<i>1,015</i>

### OPERATIONAL IMPACT

It will also improve our ability to Identify Friend or Foe (IFF) in areas with limited visibility. Without the DVE the USMC will not be able to operate as effectively with U.S. Army AVDVE equipped units, due to the inability of all current USMC devices to penetrate battlefield obscurants.

### PROGRAM STATUS

Follow-on Operational Test and Evaluation is scheduled for FY00, with fielding of AVDVEs scheduled to begin in FY00. IOC is scheduled for FY01 with FOC in FY03.

### DEVELOPER/MANUFACTURER

Raytheon Systems Company

